

SPECIAL PAPERS ON GENERAL METEOROLOGY.

RECENT ADDITIONS TO THE WEATHER BUREAU LIBRARY.

C. FITZHUGH TALMAN, Junior Professor in Charge of Library.

The following have been selected from among the titles of books recently received as representing those most likely to be useful to Weather Bureau officials in their meteorological work and studies. Anonymous publications are indicated by a ——.

Baden. Zentralbureau für Meteorologie u. Hydrologie.

Deutsches meteorologisches Jahrbuch für 1911, Baden. Karlsruhe. 1912. 84 p. f°.

Bates, D. C.

Meteorology of New Zealand. Wellington, N. Z. 1912. 16 p. 8°. (Reprint: The New Zealand Year-book.)

Besançon. Observatoire national astronomique, chronométrique et météorologique.

Bulletins météorologiques 24 et 25, Années 1908, 1909. Besançon. 1911. 12 p. 4°.

Bosnia-Herzegovina.

Ergebnisse der meteorologischen Beobachtungen an den Landesstationen, im Jahre 1910, nebst einem Anhang. Sarajevo. 1911. xvi, 279, 109 p. f°.

Canada. Meteorological service.

Report for 1907. Ottawa. 1911. xx, 748 p. 4°.

Report for 1908. Ottawa. 1912. xxi, 520 p. 4°.

Capodimonte. Reale osservatorio.

Osservazioni meteoriche, 1911. n. t. p. 12 p. 8°.

Riassunto delle osservazioni meteorologiche fatte durante l'anno 1909. [Napoli. 1911.] 22 p. 8°.

Riassunto delle osservazioni meteorologiche fatte durante l'anno 1910. [Napoli. 1912.] 21 p. 8°.

Carney, Frank.

The climate of Ohio. n. p. [1912.] p. 191-201. 8°. (Sci. lab'y, Denison university. Bulletin, Mar., 1912, v. 17, p. 191-201.)

Cleland, J. Burton.

On the occurrence of explosive or booming noises (Barisal guns) in central Australia. (From: Roy. soc., N. S. W., Jour. & proc., v. 45, pt. 2, Sydney. 1912. pp. 187-203.)

Concarneau. [Laboratoire maritime.]

Observations météorologiques faites au laboratoire, 1911. Concarneau. 1912. 36 p. 8°. (Travaux sci. du laboratoire de zool. & de physiol. marit. de Concarneau, t. 4, fasc. 1, 1912.)

Dechevrens, Marc.

La méthode de prévision du temps de M. G. Guilbert expliquée par la théorie hydro-thermodynamique des tourbillons. [Roma. 1912.] 9 p. 4°. (Reprint: Atti, Pontif. acc. Romana dei Nuovi Lincei. Anno 65, 16, giugno 1912.)

Dutch West Indies. Department van den landbouw in Suriname.

Meteoroogische waarnemingen in Suriname en Curaçao in het jaar 1911. Amsterdam. [1912.] [16] p. 8°.

Eiffel, Gustave.La résistance de l'air et l'aviation. Expériences effectuées au laboratoire du Champs-du-Mars. 2^{me}. éd. Paris. 1911. vii, 252 p. 27 pl. f°.**Expedition antarctique française, (1903-1905).**

Hydrographie, physique du globe [météorologie, magnétisme], par A. Matha et J.-J. Rey. Paris. 1911. vi, 615 p. 9 pl. 4°.

Fowler, John S. & Marriott, William.

Our weather. London. 1912. xi, 131 p. 16°. (The Temple primers.)

France. Bureau central météorologique.

Annales. Année 1907, I, Mémoires. Paris. 1911. var. pag. f°. Annales. Année 1909, II, Observations. Paris. 1911. var. pag. f°.

Annales. Année 1909, III, Pluies. Paris. 1911. var. pag. f°.

France. Service hydrométrique du bassin de la Seine.

Observations centralisées pendant l'année 1910-1911. [Paris. 1912. 6 sheets.] f°.

Résumé des observations centralisées pendant l'année 1910-1911. [Paris. 1912.] 31 p. f°.

Friederichshafen. Drachenstation am Bodensee.

Ergebnisse der Arbeiten im Jahre 1911. Mit Anhang: Vertikale Temperaturgradienten in den Jahren 1910 u. 1911. Stuttgart. 1912. iv, 73 p. f°.

Froc, L[ouis].

Signaux aux marins. Note présentée à la Commission du Comité international (Londres, 1909). T'Ou-sè-wè. 1909. 23 p. 8°. (Observatoire de Zi-ka-wei. [Publication]).

Galli, Ignazio.

L'inverno tardivo del 1912 e le irregolarità delle stagioni nei secoli scorsi. Roma. 1912. 56 p. 4°. (Reprint: Mem. Pontif. acc. Romana dei Nuovi Lincei, v. 30.)

Gironde. Commission météorologique.

Bulletin, année 1910. Bordeaux. 1911. 59 p. 8°.

Günther, S.

Bemerkungen zur Geschichte der Phänologie. [n. t. p.] 8°. (Reprint: Archiv f. d. Geschichte d. Naturw. u. d. Technik. 3. Bd. p. 241-249.)

Haute-Garonne. Commission météorologique.Bulletin, t. 2, 4^{me} fascicule, 1909. Toulouse. 1911. var. pag. 4°.**Hygrotimos.**

Soll man ein Barometer kaufen ? Werth und Kennzeichen eines zuverlässigen Barometers. 2d ed. [Göttingen. 1899.] 13 p. 8°.

Ille-et-Vilaine. Commission météorologique.

Bulletin annuel, 1910. Rennes. 1911. 24, 17 p. f°.

Leyst, Ernst.

Luftdruck u. Sonnenflecken. Moscou. 1912. ii, 65 p. 8°. (Reprint: Bull. de la soc. imp. des naturalistes de Moscou, 1910, p. 93-158.)

Loppin, T. D.

Über die verschiedenen Arten des Frostschutzes und ihre Resultate. 2d ed. Göttingen. [1905.] 16 p. 8°.

Loveland, G. A. & Perin, S. W.

Evaporation from a free water surface at Lincoln, Neb. Lincoln, Neb. 1912. p. 193-197. illust. 8°. (Reprint: Univ. Neb. Agr. exp. sta., 25th Ann. rept.)

Moscow. Kaiserliches Universität. Meteorologisches Observatorium.

Beobachtungen, 1910. Moskva. 1912. vi, 139 p. 8°.

Beobachtungen, 1911. Moskva. 1912. vi, 143 p. 8°.

Mississippi river commission.

Stages of the Mississippi river and of its principal tributaries, for 1911. St. Louis, Mo. 1912. lxv, 76 p. 8°.

Moye, Marcel.

Météorologie populaire. Paris. 1912. vii, 323 p. 12°.

Murray, John & Hjort, Johan, etc.

The depths of the ocean. A general account of the modern science of oceanography. London. 1912. xx, 821 p. illus. 8°.

Mysore. Meteorological department.

Meteorology in Mysore for the year 1910, 18th annual report. Bangalore. 1912. xiii, 56 p. f°.

Ogden, J. Gordon.

The kingdom of dust. Chicago. 1912. 116 p. illus. 16°.

Osaka (Japan). Meteorological observatory.

Annual report, 1911. Pt. I, II. Osaka. 1912. 8°.

Philippine Islands. Weather bureau.

Annual report of the director for the year 1908—Pt. III. Meteorological observations made at the secondary stations during the calendar year 1908. Manila. 1912. 276 p. 4°.

Plummer, Fred G.

Lightning in relation to forest fires. Washington. 1912. 39 p. illus. 8°. (U. S. Forest service. Bull. 111.)

Prussia. Königl. preussisches meteorologisches Institut.

Ergebnisse der magnetischen Beobachtungen in Potsdam, 1911. Berlin. 1912. 40, (28) p. f°. (Kgl. Preus. meteorol. Institut, Veröffentl. 250.)

Ergebnisse der meteorologischen Beobachtungen in Potsdam, 1911. Berlin. 1912. xxxi, 94 p. f°. (idem. Veröffentl. 251.)

Ergebnisse der Niederschlags-Beobachtungen im Jahre 1910. Berlin. 1912. xl, 154 p. 1 map. f°. (idem. Veröffentl. 249.)

Pyrénées-Orientales. Commission météorologique.

Bulletin météorologique annuel. Année 1909. Perpignan. [1911?] 52 p. 4°.

Rijckevorsel, E[lie] van.

Konstant auftretende secundäre Maxima und Minima in dem jährlichen Verlauf der meteorologischen Erscheinungen. Siebente Abteilung. Rotterdam. 1912. 23 p. f°.

Sandström, J. W.

Ueber die Energieumwandlungen in der Atmosphäre. Uppsala. 1912. 20 p. 3 pl. f°. (Kungl. Svenska vetensk. Handl. Band 47. No. 9.) [A translation of this paper appears in Bulletin, Mt. Weather observatory, 1912, v. 5, pt. 2.]

- São Paulo (Brazil), Serviço meteorológico.**
Dados climatológicos, 1910. São Paulo. 1912. 45 p. 8°.
- Saxony. Königl. sächs. Landes-Wetterwarte.**
Dekaden-Monatsbericht (Vorläufige Mitteilung), 1910. Jahrg. 13.
Dresden. 1911. ii, 132 p. f°.
Deutsches meteorologisches Jahrbuch für 1909. Sachsen.
1. Hälfte. Dresden. 1911. 84 p. f°.
Wetterbericht, 1911. [Dresden. 1911.] 39 x 47 cm.
- Schreiber, Paul.**
Ergebnisse der Erdboden-temperatur-Messungen im Garten der Landes-Wetterwarte zu Dresden, 1. Aug. 1907 bis 31. Dez. 1910. Dresden. 1912. 46 p. f°. [Königl. sächs. Landes-Wetterwarte. Publikation.]
- Smith, F. C.**
Relation of climate to the treatment of pulmonary tuberculosis. 2d ed. Washington. 1912. 17 p. 8°. (U. S. Public Health bull. 35.)
- Spain. Observatorio central meteorológico.**
Resumen de las observaciones meteorológicas efectuadas en la Península y algunas de sus islas adyacentes durante 1910. Madrid. 1912. xv, 182 p. 8°.
- Stockbridge, Helen E[lvira]. comp.**
A bibliography of the Southern Appalachians and White Mountain regions. [Washington. 1911.] 8°. (Reprint: Proc. Soc. American foresters, v. 6, no. 2, 1911, p. 173-254.) [Contains many references to sources for climate of the regions covered.]
- Sweden. Statens meteorologiska Central-Anstalt.**
Meteorologiska iakttagelser i Sverige, 1911. 53de Bandet. Uppsala. [1912.] x, 157 p. f°.
- Trimble, Robert E.**
Colorado climatology. Ft. Collins, Colo. 1912. 56 p. 8°. (Colorado agr. coll. Agr. exp. sta. Bull. 182, Apr. 1912.)
- Tsukubasan [Observatory].**
Ergebnisse der meteorologischen Beobachtungen, 1908. Tokio. 1911. 129 p. f°.
- Widtsoe, J. A. & McLaughlin, W. W.**
The movement of water in irrigated soils. Logan, Utah. 1912. 8°. (Utah agr. coll. Exp. sta. Bull. 115, p. 195-268.)
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- RECENT PAPERS BEARING ON METEOROLOGY.**
- C. FITZHUGH TALMAN, Junior Professor in Charge of Library.
- The subjoined titles have been selected from the contents of the periodicals and serials recently received in the Library of the Weather Bureau. The titles selected are of papers and other communications bearing on meteorology and cognate branches of science. This is not a complete index of the meteorological contents of all the journals from which it has been compiled. It shows only the articles that appear to the compiler likely to be of particular interest in connection with the work of the Weather Bureau. Unsigned articles are indicated by a —.
- Aeronautics.** New York. v. 11. October, 1912.
- Henry, Alfred J.** The relative constancy of the wind above Mount Weather. p. 99-100.
- American geographical society. Bulletin.** New York. v. 44. September, 1912.
- Brown, Robert M.** The Mississippi River flood of 1912. p. 645-657.
- Engineering news.** New York. v. 68. September 26, 1912.
- Hess, A. E.** Notes on a costly Brazilian railway line. p. 578-583. [Includes notes on climate of western Matto Grosso.]
- Geographical journal.** London. v. 11. October, 1912.
- Huntington, Ellsworth.** The fluctuating climate of North America. p. 393-411.
- International institute of agriculture. Bureau of agricultural intelligence and of plant diseases. Bulletin.** Rome. 3d year. August, 1912.
- O'Connel, Mathew D.** The relation between climate and malaria. p. 1707. [Abstract.]
- Brounov, P.** Some considerations on the organization of the agricultural meteorological service. p. 1713-1717. [Abstract.]
- London, Edinburgh, and Dublin philosophical magazine.** London. v. 24. October, 1912.
- McLennan, J. C.** On the relative intensities of the earth's penetrating radiation on land and sea. p. 520-527.
- Smyth, Louis B.** On the supply of radium emanation from the soil to the atmosphere. p. 632-637.
- Nature.** London. v. 90. September 19, 1912.
- Schultz, L. G.** Weather and the ultra-violet radiation of the sun. p. 68-70.
- Harding, Chas.** The summer of 1912. p. 71-73.
- Scientific American.** New York. v. 107. September 28, 1912.
- New methods of measuring clouds. The work of Besson at Montsouris observatory. p. 236.
- Scottish geographical magazine.** Edinburgh. v. 28. October, 1912.
- Richardson, Ralph.** A comparison of the climate of Edinburgh and Bournemouth. p. 517-524.
- Symons's meteorological magazine.** London. v. 47. September, 1912.
- Unprecedented rainfall in Norfolk. p. 153-161.
- Aitken, John.** Cloud particles at low temperatures. p. 165-167.
- Terrestrial magnetism and atmospheric electricity.** Baltimore. v. 17. September, 1912.
- Bauer, L. A.** The physical theory of the earth's magnetic and electric phenomena. No. 6. p. 115-140.
- Académie des sciences. Comptes rendus.** Paris. Tome 155. Septembre 1912.
- Hubert, Henry.** Sur les courants aériens en Afrique occidentale. p. 627-629.
- Astronomie.** Paris. 26 année. Septembre 1912.
- Flammarion, Camille.** Augmentation séculaire de la pluie à Paris. p. 406-410.
- Romo, Ambrosio.** Note sur une nouvelle formule barométrique (type Laplace). p. 411-415.
- Nature.** Paris. 40 année. 28 septembre 1912.
- Loisel, J[ulien].** La température à la surface du globe. p. 282-285.
- Radium.** Paris. Tome 9. Août 1912.
- McClelland, J. A., & Nolan, J. J.** La charge électrique de la pluie. p. 277-282.
- Annalen der Hydrographie und maritimen Meteorologie.** Berlin. 40. Jahrgang. Heft 9. 1912.
- Aßmann, [Richard A.]** Zur Vorhersage der Niederschläge. p. 452-454.
- Perlewitz, Paul.** Windbeobachtungen in den höheren Luftsichten des Atlantischen und südlichen Stillen Ozeans, nach Pilotballonaufstiegen von Dr. Harry Meyer, 1909 bis 1911. p. 454-477.
- Plassmann, J.** Beobachtungen der neutralen Punkte der atmosphärischen Polarisation. p. 478-486.
- Meteorologische Zeitschrift.** Braunschweig. Band 29. September 1912.
- Trabert, Wilh[elm].** Millimeter oder Millibar. p. 401-405.
- Schmidt, Wilhelm.** Der Variograph, seine Aufzeichnungen und deren Verwendung in einigen Fragen der Gewitterforschung. p. 406-414.
- Thraen, August.** Die Prüfung der Homogenität von Niederschlagsreihen nach graphischen Verfahren. p. 414-417.
- Kassner, Carl.** Nochmals der Verbesserungsvorschlag zur englischen Hütte. p. 428-429.
- Obermayer, Albert v.** Zur Farbe der Blitze. p. 433-435.
- Resultate meteorologischer Beobachtungen im südlichen China und Laos. p. 437-438.
- Topolansky, Moriz.** Maximum-minimum-Hygrometer. p. 439.
- Gehalt des Regenwassers am Wasserstoffsuperoxyd. p. 442-443.
- Petermanns Mitteilungen.** Gotha. 58. Jahrgang. August 1912.
- Peppler, Albert.** Zur Aerologie tropischer und subtropischer Ozeans. p. 69-71.
- Weltall.** Berlin. 12. Jahrgang. 2. August-Heft. 1912.
- Habenicht, H[ermann].** Die Ursache der Eiszeiten. p. 321-323.
- Zeitschrift für Balneologie.** Berlin. 5. Jahrgang. 15. September 1912.
- Lütgens, R[udolf].** Verdunstung, Luftfeuchtigkeit und Niederschläge auf dem Meere. p. 341-344.
- Zeitschrift für Gewässerkunde.** Dresden. 11. Band. Heft 3. [1912.]
- Gutzmann, Walther.** Der Wasserhaushalt der Lippe. p. 145-216. [Includes precipitation data and isohyetal chart of Lippe.]
- Sociedad científica "Antonio Alzate."** Memorias y revista. México. Tomo 30. Marzo, 1911.
- Descroix, Léon.** Climat de Paris. Les saints de glace au principaux temps. p. 105-109.
- Arkiv för matematik, astronomi och fysik.** Upsala. Band 7. Hafte 3-4. 1912.
- Sandström, J. W.** Über die Wirbelbewegungen in der Atmosphäre. No. 30. p. 1-33.
- Stenquist, David.** The lightphenomena in the atmosphere, May, 1910. No. 36. p. 1-14.
- Società geografica italiana.** Bollettino. Roma. ser. 5. v. 1. Luglio 1912.
- Schiarini, Pompilio.** Il Dahomey. p. 717-734. [Climate, p. 723-724.]
- Società degli spettroscopisti italiani.** Memorie. Catania. v. 1. ser. 2. Ottobre 1912.
- Platiama, G[iovanni].** Osservazioni dei punti neutri della polarizzazione atmosferica. p. 153-157.